

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

Bock, C. A.

History of the Miami flood control project. Dayton, Ohio. 1918. 194 p. fold. front. illus. 23 cm. (State of Ohio. The Miami conservancy district. Technical reports. Part 2.)

Coimbra. Observatorio meteorologico.

Observações meteorológicas, magnéticas e sísmicas feitas no anno de 1917. Volume 56. Coimbra. 1918. viii, 164 p. incl. tables. 36 $\frac{1}{2}$ cm.

Gran, H. H. & Gaarder, Torbjörn.

Über den Einfluss der atmosphärischen Veränderungen Nordeuropas auf die hydrographischen Verhältnisse des Kristianafjords bei Dröbak im März 1916. (Mitteilung aus der Biologischen Station zu Dröbak) Copenhagen. 1918. 28 p., 1. incl. charts. 26 $\frac{1}{2}$ cm. At head of title: Conseil permanent international pour l'exploration de la mer. Publications de circonstance. No. 71.

Great Britain. Meteorological office.

Thirteenth annual report of the meteorological committee to the lords commissioners of His Majesty's treasury. For the year ended 31st March, 1918 . . . London. 1918. 20 p. 24 $\frac{1}{2}$ cm.

Hildebrandsson, H[ugo] Hildebrand.

Résultats des recherches empiriques sur les mouvements généraux de l'atmosphère . . . Uppsala. 1918. 1., 50 p. charts. tables. 29cm. At head of title: Nova acta Regiae societatis scientiarum Upsaliensis. Ser. 4. Vol. 5. No. 1.

Hubert, Henry.

Mission scientifique au Soudan . . . Premier fascicule [L'atmosphère] Paris. 1916. 2 p. 1., 319 p. plates. map. fold. charts. tables. diagrs. 25 $\frac{1}{2}$ cm. [Elaborate text discussion with charts and tables showing monthly normals of principal meteorological elements for French West Africa and the Guinea coast.]

Indo-China. Service météorologique.

Bulletin pluviométrique . . . Tableaux mensuels, annuels et carte. Année 1917. Phu-Lien. 1918. [1., 6] p. fold. charts. tables. 40 cm. At head of title: Gouvernement général de l'Indochine. Observatoire central de l'Indochine.

Lloyd, Francis E[rnest].

The structure of hailstones of exceptional form and size. Ottawa. 1916. cover-title. diagrs. 25 cm. (From the Transactions of the Royal society of Canada. Series 3. 1916. Volume 10, p. [47]-50.)

Loft, Genivera.

The Gulf Stream and the North Atlantic drift. (Excerpted from the Journal of geography, Madison, Wis. Vol. 17, no. 1. Sept. 1918. p. 8-17. 25 $\frac{1}{2}$ cm.)

Moreux, Th[éophile].

Méthode simple pour prévoir le temps. Paris. 1918. 1., p. 7-32 [1. front. plates. 18 cm.]

Norway. Meteorologiske institut.

Jahrbuch des Norwegischen meteorologischen instituts für 1917 Kristiania. 1918. xi, 170 p. incl. tables. 33 $\frac{1}{2}$ cm. Ned børiagttagelser i Norge. Aargang 23. 1917. Kristiania. [1918] 2 p. 1., xi, 45 p. 2 fold. charts. tables. 37 $\frac{1}{2}$ cm. Oversigt over luftens temperatur og nedbøren i Norge i aaret 1916. 22 p. 1. incl. 5 tables. 23 $\frac{1}{2}$ cm. (Sætryk av Landbruksdirektørens beretning for 1916.)

Ohio. Agricultural experiment station.

Ohio weather for 1917. Wooster, Ohio. 1918. p. 487-576. 63 charts. 14 tables. 23 cm. Bulletin 324.

Philippine Islands. Weather bureau.

Annual report of the Weather Bureau . . . Part 1-2. Manila. 1917. 144 p. incl. tables. 29 cm. At head of title: Department of agriculture and natural resources. Weather bureau . . .

Quaife, Milo M[ilton].

Increase Allen Lapham, first scholar of Wisconsin. cover-title. 13 p. port. 26 cm. (Reprinted from the Wisconsin magazine of history, vol. 1. Sept. 1917.)

Radcliffe observatory, Oxford.

Results of meteorological observations in the year 1917 . . . Vol. 52, Part 2. Oxford. 1918. cover-title. p. [21]-40. incl. tables. 26 cm.

U. S. Bureau of the census.

Census of the Virgin Islands of the United States, November 1, 1917. Prepared under the supervision of Eugene F. Hartley. Washington. 1918. 174 p. plates. 2 maps. tables. 23 $\frac{1}{2}$ cm. [Climate and rainfall, p. 16-18.]

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. F. TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American journal of science. New Haven. v. 46. October, 1918.

Winchell, A. N. & Miller, E. R. The dustfall of March 9, 1918. p. 599-609.

Engineering news-record. New York. v. 81. 1918.

Stuart, Edward. Guatemala earthquakes destroyed all masonry buildings, wood and concrete stood shocks well. p. 623-626. (Oct. 3.)

Gannett, Farley. Recent Erie flood similar to inundation of 1915. p. 667-668. (Oct. 10.)

Harner, W. W. Extraordinary rainfall flooded portions of St. Louis. p. 672-673. (Oct. 10.)

Geographical review. New York. v. 6. September, 1918.

Jefferson, Mark. The real temperatures throughout North and South America. p. 240-267.

Agricultural intelligence and plant diseases. Rome. Monthly bulletin. year 9. April, 1918.

Marcarelli, B. The effects of meteorological factors on the growth and yield of rice. p. 539-541.

Nature. London. v. 102. 1918.

Chree, C[harles]. Auroral observations in the Antarctic. p. 24-25. (Sept. 12.) [Discusses alleged observations of the aurora at low levels in the atmosphere.]

Meek, A. A shower of sand eels. p. 46. (Sept. 19.)

Schweizer, Aero-Klub. Bern. 12. Jahrg. August, 1918.

Schutt, K. Struktur der Atmosphäre. p. 114-117. [Repr. from "Umschau."]

Science. New York. v. 48. 1918.

Barus, C[arl]. Hygrometry in terms of the weight of a film of gelatine. p. 374-376.

Bigelow, Frank H. Mr. Abbot's theory of the pyrheliometer.

p. 417-418. (Oct. 25.)

Reale accademia dei Lincei. Roma. Atti. v. 27. 1918.

Somigliana, C. Sulla propagazione delle onde sismiche. Nota 3. p. 13-20. (Gen. 6.)

Tenani, Mario. Sulla misura barometrica delle altezze a scopo aeronautico. Nota 2. p. 51-55. (Gen. 6.)

Pantanelli, E. Su la resistenza delle piante al freddo. Nota 1, 2. p. 126-130; 148-153. (Feb. 3, '17.)